

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878 Issue date: 23/09/2022 Revision date: 15/09/2022 Supersedes version of: 11/11/2021 Version: 1.0

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product form : Mixture

Product name : HG universal cleaning tablets for coffee machines

UFI : ED5W-WTG9-910H-CGPX

Product code : 637 ART
Type of product : Detergent
Product group : Trade product

1.2. Relevant identified uses of the substance or mixture and uses advised against

1.2.1. Relevant identified uses

Intended for general public

Main use category : Consumer use

1.2.2. Uses advised against

Restrictions on use : All other uses not recommended above

1.3. Details of the supplier of the safety data sheet

ManufacturerDistributorHG International B.V.HG UKI LTD

P.J. Oudweg 41 Weston Business Centre

NL- 1314 CJ Almere Parsonage Road
The Netherlands UK- CM22 6PU Takeley - Essex

T +31 (0)36 54 94 700 United Kingdom

<u>safety@hg.eu</u> - <u>www.hg.eu</u> T +44 (0) 1206 822 744

www.hg.eu

1.4. Emergency telephone number

Emergency number : +31 (0)36 54 94 777

Only for medical personnel

Mon-Fri 09:00 AM - 05:00 PM (CEST)

Country	Organisation/Company	Address	Emergency number	Comment
United Kingdom	National Poisons Information Service (Birmingham Centre) City Hospital	Dudley Road B18 7QH Birmingham	0344 892 0111	Only for healthcare professionals
United Kingdom	Guy's & St Thomas' Poisons Unit Medical Toxicology Unit, Guy's & St Thomas' Hospital Trust	Avonley Road SE14 5ER London	+44 20 7188 7188	

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Serious eye damage/eye irritation, Category 2 H319

Full text of H- and EUH-statements: see section 16

Adverse physicochemical, human health and environmental effects

Causes serious eye irritation.

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms (CLP)



GHS07

Signal word (CLP) : Warning

Hazard statements (CLP) : H319 - Causes serious eye irritation.

Precautionary statements (CLP) : P101 - If medical advice is needed, have product container or label at hand.

P102 - Keep out of reach of children.

P264 - Wash hands thoroughly after handling.

P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove

contact lenses, if present and easy to do. Continue rinsing.

2.3. Other hazards

This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII Contains no PBT/vPvB substances ≥ 0.1% assessed in accordance with REACH Annex XIII

The mixture does not contain substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or is not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at a concentration equal to or greater than 0,1 %

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Product identifier	Conc. (% w/w)	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Sodium carbonate substance with national workplace exposure limit(s) (RO)	CAS-No.: 497-19-8 EC-No.: 207-838-8 EC Index-No.: 011-005-00-2 REACH-no: 01-2119485498- 19	≥ 50 – < 75	Eye Irrit. 2, H319
Sodium percarbonate	CAS-No.: 15630-89-4 EC-No.: 239-707-6 REACH-no: 01-2119457268- 30	≥ 15 – < 25	Ox. Sol. 3, H272 Acute Tox. 4 (Oral), H302 Eye Dam. 1, H318
Citric acid	CAS-No.: 5949-29-1 EC-No.: 201-069-1 EC Index-No.: 607-750-00-3 REACH-no: 01-2119457026-	≥ 10 – < 15	Eye Irrit. 2, H319
Sodium lauryl sulphate	CAS-No.: 151-21-3 EC-No.: 205-788-1 REACH-no: 01-2119489461- 32	≥ 5 – < 7	Acute Tox. 4 (Oral), H302 Skin Irrit. 2, H315 Eye Dam. 1, H318 Aquatic Chronic 3, H412

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

Specific concentration limits:			
Name	Product identifier	Specific concentration limits	
Sodium percarbonate	CAS-No.: 15630-89-4 EC-No.: 239-707-6 REACH-no: 01-2119457268- 30	(7.5 ≤C < 25) Eye Irrit. 2, H319 (25 ≤C < 100) Eye Dam. 1, H318	

Full text of H- and EUH-statements: see section 16

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing.

First-aid measures after skin contact : Wash skin with plenty of water. Take off immediately all contaminated clothing. Wash

contaminated clothing before reuse. If skin irritation or rash occurs: Get medical advice/attention.

First-aid measures after eye contact : Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy

to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

First-aid measures after ingestion : Call a poison center or a doctor if you feel unwell. Loosen tight clothing such as a collar, tie,

belt or waistband.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/effects after eye contact : Eye irritation.

4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media : Water spray. Dry powder. Foam. Carbon dioxide.

Unsuitable extinguishing media : Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

Hazardous decomposition products in case of fire : Toxic fumes may be released.

5.3. Advice for firefighters

Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-contained

breathing apparatus. Complete protective clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Emergency procedures : Ventilate spillage area. Avoid contact with skin and eyes. Do not touch or walk on the spilled

product. Keep unnecessary and unprotected personnel away from the spillage. Only qualified personnel equipped with suitable protective equipment may intervene. For further

information refer to section 8: "Exposure controls/personal protection".

6.1.2. For emergency responders

Protective equipment : Do not attempt to take action without suitable protective equipment. For further information

refer to section 8: "Exposure controls/personal protection".

6.2. Environmental precautions

Avoid release to the environment. Avoid the spillage or runoff entering drains, sewers or watercourses.

15/09/2022 (Revision date) GB - en 3/12

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

6.3. Methods and material for containment and cleaning up

Methods for cleaning up : Mechanically recover the product. Take up mechanically (sweeping, shovelling) and collect

in suitable container for disposal. This material and its container must be disposed of in a

safe way, and as per local legislation.

Other information : Collect all waste in suitable and labelled containers and dispose according to local

legislation. Dispose of materials or solid residues at an authorized site.

6.4. Reference to other sections

For further information refer to section 8: "Exposure controls/personal protection". For further information refer to section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Ensure good ventilation of the work station. Avoid contact with skin, eyes and clothing.

Wear personal protective equipment. Keep only in original container. For further information

refer to section 8.

Hygiene measures : Do not eat, drink or smoke when using this product. Always wash hands after handling the

product. Wash contaminated clothing before reuse.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Store in a well-ventilated place. Store in dry, cool, well-ventilated area. Protect from

sunlight. Store in original container. Keep container tightly closed.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.1.1 National occupational exposure and biological limit values

No additional information available

8.1.2. Recommended monitoring procedures

No additional information available

8.1.3. Air contaminants formed

No additional information available

8.1.4. DNEL and PNEC

No additional information available

8.1.5. Control banding

No additional information available

8.2. Exposure controls

8.2.1. Appropriate engineering controls

Appropriate engineering controls:

Ensure good ventilation of the work station.

8.2.2. Personal protection equipment

Personal protective equipment:

Protective clothing. Protective shoes. Gloves. Safety glasses.

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

Personal protective equipment symbol(s):











8.2.2.1. Eye and face protection

Eye protection:

Safety glasses

Eye protection			
Туре	Field of application	Characteristics	Standard
Safety glasses	Normal use conditions	With side shields	EN 166

8.2.2.2. Skin protection

Skin and body protection:

Long sleeved protective clothing

Skin and body protection		
Туре	Standard	
Long sleeved protective clothing		

Hand protection:

Protective gloves

Hand protection					
Туре	Material	Permeation	Thickness (mm)	Penetration	Standard
Disposable gloves	Nitrile rubber (NBR)	6 (> 480 minutes)	0.35		EN ISO 374
Disposable gloves	Butyl rubber	6 (> 480 minutes)	0.7		EN ISO 374

8.2.2.3. Respiratory protection

Respiratory protection:

No respiratory protection needed under normal use conditions. In case of insufficient ventilation, wear suitable respiratory equipment

Respiratory protection			
Device	Filter type	Condition	Standard
Dust mask	Particle filter, Filter P (white), Type P2	In case of emergency:	

8.2.2.4. Thermal hazards

No additional information available

8.2.3. Environmental exposure controls

Environmental exposure controls:

Avoid release to the environment.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state : Solid
Colour : white.
Appearance : Powder.

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

Odour : slight odour. Odour threshold : Not available Melting point Not available Freezing point Not applicable Not available Boiling point Flammability : Non flammable. Explosive limits Not applicable Lower explosion limit Not applicable Upper explosion limit : Not applicable Flash point : Not applicable : Not applicable Auto-ignition temperature : Not available Decomposition temperature . 954 рΗ : 10 % pH solution

: Not applicable Viscosity, kinematic Solubility : Soluble in: Water. Partition coefficient n-octanol/water (Log Kow) : Not available Vapour pressure : Not available Vapour pressure at 50 °C : Not available Density : 0.7 g/ml Relative density : Not available Relative vapour density at 20 °C : Not applicable Particle size : Not available Particle size distribution : Not available Particle shape : Not available Particle aspect ratio : Not available : Not available Particle aggregation state Particle agglomeration state : Not available : Not available Particle specific surface area Particle dustiness : Not available

9.2. Other information

9.2.1. Information with regard to physical hazard classes

No additional information available

9.2.2. Other safety characteristics

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

10.4. Conditions to avoid

None under recommended storage and handling conditions (see section 7).

10.5. Incompatible materials

No additional information available

10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

Safety Data Sheet

Viscosity, kinematic

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

SECTION 11: Toxicological information

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008			
Acute toxicity (oral) : Acute toxicity (dermal) : Acute toxicity (inhalation) :	Not classified Not classified Not classified		
Sodium carbonate (497-19-8)			
LD50 oral rat	2800 mg/kg bodyweight Animal: rat		
LD50 oral	4090 mg/kg bodyweight		
LD50 dermal rabbit	> 2000 mg/kg bodyweight Animal: rabbit, Guideline: other:		
LD50 dermal	> 2000 mg/kg bodyweight		
LC50 Inhalation - Rat (Dust/Mist)	2300 mg/l		
Sodium percarbonate (15630-89-4)			
LD50 oral	1034 mg/kg bodyweight		
LD50 dermal rabbit	> 2000 mg/kg bodyweight Animal: rabbit, Guideline: other:		
LD50 dermal	> 2000 mg/kg bodyweight		
Citric acid (5949-29-1)			
LD50 oral	11700 mg/kg bodyweight		
LD50 dermal rat	> 2000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 402 (Acute Dermal Toxicity)		
LD50 dermal	> 2000 mg/kg bodyweight		
Sodium lauryl sulphate (151-21-3)			
LD50 oral	977 mg/kg bodyweight		
LD50 dermal	580 mg/kg bodyweight		
Skin corrosion/irritation :	Not classified pH: 9.54		
Sodium carbonate (497-19-8)			
рН	≈ 11.6 Concentration: (≈)0,1 other:		
Serious eye damage/irritation :	Causes serious eye irritation. pH: 9.54		
Sodium carbonate (497-19-8)			
рН	≈ 11.6 Concentration: (≈)0,1 other:		
. ,	Not classified		
Germ cell mutagenicity :	Not classified		
Carcinogenicity :	Not classified		
Reproductive toxicity : STOT-single exposure :	Not classified Not classified		
	Not classified Not classified		
Citric acid (5949-29-1)	TWO GLASSINGU		
LOAEL (oral, rat, 90 days)	8000 mg/kg bodyweight Animal: rat		
NOAEL (oral, rat, 90 days)	4000 mg/kg bodyweight Animal: rat		
	Not classified		
HG universal cleaning tablets for coffee mack	nines		

15/09/2022 (Revision date) GB - en 7/12

Not applicable

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

11.2. Information on other hazards

No additional information available

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general : The product is not considered harmful to aquatic organisms nor to cause long-term adverse

effects in the environment.

Hazardous to the aquatic environment, short-term

acute)

: Not classified

Hazardous to the aquatic environment, long-term

: Not classified

(chronic)

Not rapidly degradable

Sodium carbonate (497-19-8)		
LC50 - Fish [1]	300 mg/l	
EC50 - Crustacea [1]	200 – 227 mg/l Test organisms (species): Ceriodaphnia sp.	
EC50 - Crustacea [2]	200 – 227 mg/l Test organisms (species): Ceriodaphnia sp.	
EC50 - Other aquatic organisms [1]	265 mg/l waterflea	
EC50 96h - Algae [1]	242 mg/l Source: ECOTOX	
Sodium percarbonate (15630-89-4)		
LC50 - Fish [1]	> 70 mg/l	
EC50 - Crustacea [1]	4.9 mg/l Test organisms (species): Daphnia pulex	
EC50 - Other aquatic organisms [1]	4.9 mg/l waterflea	
ErC50 algae	> 7.7 mg/l Source: SIDS	
Citric acid (5949-29-1)		
LC50 - Fish [1]	> 100 mg/l	
EC50 - Crustacea [1]	1535 mg/l	
EC50 - Other aquatic organisms [1]	85 mg/l waterflea	
EC50 96h - Algae [1]	1690000 mg/l Source: Ecological Structure Activity Relationships	
Sodium lauryl sulphate (151-21-3)		
LC50 - Fish [1]	29 mg/l	
EC50 - Other aquatic organisms [1]	5.55 mg/l waterflea	
EC50 - Other aquatic organisms [2]	> 120 mg/l	

12.2. Persistence and degradability

HG universal cleaning tablets for coffee machines	
Biodegradation 95 %	
Additional information (OECD 301B method)	

12.3. Bioaccumulative potential

Sodium carbonate (497-19-8)	
Partition coefficient n-octanol/water (Log Pow)	-6.19

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

Citric acid (5949-29-1)		
Partition coefficient n-octanol/water (Log Pow) -1.72		
Sodium lauryl sulphate (151-21-3)		
Partition coefficient n-octanol/water (Log Pow) < 3		

12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

HG universal cleaning tablets for coffee machines

This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII

This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII

12.6. Endocrine disrupting properties

No additional information available

12.7. Other adverse effects

No additional information available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Regional legislation (waste) : Dispose of in accordance with relevant local regulations.

Waste treatment methods : Dispose of contents/container in accordance with licensed collector's sorting instructions.

SECTION 14: Transport information

In accordance with ADR / IMDG / IATA / ADN / RID

ADR	IMDG	IATA	ADN	RID	
14.1. UN number or ID number					
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated	
14.2. UN proper shipping name					
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated	
14.3. Transport hazard class(es)					
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated	
14.4. Packing group					
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated	
14.5. Environmental hazards					
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated	
No supplementary information available					

14.6. Special precautions for user

Overland transport

Not regulated

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

Transport by sea

Not regulated

Air transport

Not regulated

Inland waterway transport

Not regulated

Rail transport

Not regulated

14.7. Maritime transport in bulk according to IMO instruments

Not applicable

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

15.1.1. EU-Regulations

REACH Annex XVII (Restriction List)

Contains no REACH substances with Annex XVII restrictions

REACH Annex XIV (Authorisation List)

Contains no REACH Annex XIV substances

REACH Candidate List (SVHC)

Contains no substance on the REACH candidate list

PIC Regulation (Prior Informed Consent)

Contains no substance subject to Regulation (EU) No 649/2012 of the European Parliament and of the Council of 4 July 2012 concerning the export and import of hazardous chemicals.

POP Regulation (Persistent Organic Pollutants)

Contains no substance subject to Regulation (EU) No 2019/1021 of the European Parliament and of the Council of 20 June 2019 on persistent organic pollutants

Ozone Regulation (1005/2009)

Contains no substance subject to REGULATION (EU) No 1005/2009 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 September 2009 on substances that deplete the ozone layer.

Detergent Regulation (648/2004)

Labelling of contents		
Component	%	
oxygen-based bleaching agents	15-<30%	
anionic surfactants	5-<15%	

Explosives Precursors Regulation (2019/1148)

Contains no substance subject to Regulation (EU) 2019/1148 of the European Parliament and of the Council of 20 June 2019 on the marketing and use of explosives precursors.

Drug Precursors Regulation (273/2004)

Contains no substance(s) listed on the Drug Precursors list (Regulation EC 273/2004 on drug precursors)

15.1.2. National regulations

No additional information available

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

SECTION 16: Other information

Indication of changes:

SDS EU format according to COMMISSION REGULATION (EU) 2020/878. Printed by ExESS software.

Abbreviations and acronyms:				
ADN	European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways			
ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road			
ATE	Acute Toxicity Estimate			
BCF	Bioconcentration factor			
BLV	Biological limit value			
BOD	Biochemical oxygen demand (BOD)			
COD	Chemical oxygen demand (COD)			
DMEL	Derived Minimal Effect level			
DNEL	Derived-No Effect Level			
EC-No.	European Community number			
EC50	Median effective concentration			
EN	European Standard			
IARC	International Agency for Research on Cancer			
IATA	International Air Transport Association			
IMDG	International Maritime Dangerous Goods			
LC50	Median lethal concentration			
LD50	Median lethal dose			
LOAEL	Lowest Observed Adverse Effect Level			
NOAEC	No-Observed Adverse Effect Concentration			
NOAEL	No-Observed Adverse Effect Level			
NOEC	No-Observed Effect Concentration			
OECD	Organisation for Economic Co-operation and Development			
OEL	Occupational Exposure Limit			
PBT	Persistent Bioaccumulative Toxic			
PNEC	Predicted No-Effect Concentration			
RID	Regulations concerning the International Carriage of Dangerous Goods by Rail			
SDS	Safety Data Sheet			
STP	Sewage treatment plant			
ThOD	Theoretical oxygen demand (ThOD)			
TLM	Median Tolerance Limit			
VOC	Volatile Organic Compounds			
CAS-No.	Chemical Abstract Service number			
N.O.S.	Not Otherwise Specified			
vPvB	Very Persistent and Very Bioaccumulative			
ED	Endocrine disrupting properties			

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

Other information

: DISCLAIMER OF LIABILITY The information in this SDS was obtained from sources which we believe are reliable. However, the information is provided without any warranty, express or implied, regarding its correctness. The conditions or methods of handling, storage, use or disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product. This SDS was prepared and is to be used only for this product. If the product is used as a component in another product, this SDS information may not be applicable.

Full text of H- and EUH-statements:		
Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4	
Aquatic Chronic 3	Hazardous to the aquatic environment – Chronic Hazard, Category 3	
Eye Dam. 1	Serious eye damage/eye irritation, Category 1	
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2	
H272	May intensify fire; oxidiser.	
H302	Harmful if swallowed.	
H315	Causes skin irritation.	
H318	Causes serious eye damage.	
H319	Causes serious eye irritation.	
H412	Harmful to aquatic life with long lasting effects.	
Ox. Sol. 3	Oxidising Solids, Category 3	
Skin Irrit. 2	Skin corrosion/irritation, Category 2	

Safety Data Sheet (SDS), EU

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.